

-DURAN-CAMPOS, E., D.A. SALAS-DE-LEON, **M.A. MONREAL-GOMEZ**, J. ALDECO-RAMIREZ & E. CORIA-MONTER. (2015). Differential zooplankton aggregation due to relative vorticity in a semi-enclosed bay. *Estuarine, Coastal and Shelf Science*, 164, 10-18.

-SALAS-DE-LEON, D.A, **M. A. MONREAL-GOMEZ**, A. GRACIA & D. SALAS-MONREAL. (2015). Two years of oceanographic and meteorological data from the UNAM buoy anchored at Socorro Island in the Mexican Pacific. *Open Journal of marine Science*, 5, 182-192.

-HERNÁNDEZ-ALCÁNTARA P., D. A. SALAS-DE LEÓN, V. SOLÍS-WEISS & **M. A. MONREAL-GÓMEZ**. (2014). Bathymetric patterns of polychaete (Annelida) species richness in the continental shelf of the Gulf of California, Eastern Pacific. *Journal of Sea Research*, 91, 79–87. **(FI: 1.855)**.

-CORIA-MONTER E., **M.A. MONREAL-GÓMEZ**, D. A. SALAS-DE-LEÓN, J. ALDECO-RAMÍREZ & M. MERINO-IBARRA. (2014). Differential distribution of diatoms and dinoflagellates in a cyclonic eddy confined in the Bay of La Paz, Gulf of California. *Journal of Geophysical Research: Oceans* 119 (9): 6258-6268. **(FI: 3.44)**.

-AQUINO-CRUZ, A., D.U. HERNANDEZ-BECERRIL, M. SIGNORET-POILLON, D. A. SALAS de LEON, **M. A. MONREAL-GOMEZ**. (2013). Studies on picophytoplankton in the southern Gulf of Mexico: recognition of picoprokaryotes and abundances of picophytoplankton during dry season. *Brazilian Journal of Oceanography* 61(4):265-276. **(FI: 0.603)**.

-**MONREAL-GOMEZ, M.A.**, D. A. SALAS de LEON, C. FLORES COTO, F. FLORES HERNANDEZ, D. SALAS-MONREAL, M. L. RIVERON ENZASTIGA. (2013). Tidal effects on ichthyoplankton aggregation and dispersion in the southern Gulf of Mexico. *Brazilian Journal of Oceanography*: 61(4):231-241. **(FI: 0.603)**.

-EXPOSITO-DIAZ, G., **M. A. MONREAL-GOMEZ**, A. VALLE-LEVINSON, D. A. SALAS de LEON. (2013). Tidal variations of turbulence at a spring discharging to a tropical estuary. *Gephys. Res. Let.* Vol. 40, 898-903, DOI: 10.1002/grl.50194. **(FI: 3.982)**.

-HERNÁNDEZ-ALCÁNTARA, P., D. A. SALAS de LEON, V. SOLIS WEISS, **M. A. MONREAL-GOMEZ** (2013). Geographical patterns in species richness of the benthic polychaetes in the continental shelf of the Gulf of California. *Helgol Mar. Res.* DOI 10.1007/s10152-013-0345-4. **(FI: 1.44)**.

-SALAS-MONREAL, D., D. A. SALAS de LEON, **M. A. MONREAL-GOMEZ**, M. L. RIVERON-ENZASTIGA, E. MOJICA-RAMIREZ (2012). Hydraulic jump in the Gulf of California. *Open Journal of Marine Science*. 2, 141-149.

-ALDECO J., M. SIGNORET POILLON M., **M. A. MONREAL GOMEZ**, D. A. SALAS de LEON (2012). Export of materials on a tidal channel that connects through a river a coastal lagoon with the adjacent sea. *Brazilian Journal of Oceanography*, 60(3): 311-322.

-SALAS-PEREZ, J.J., D. SALAS-MONREAL, **M.A. MONREAL-GOMEZ**, M.L. RIVERON ENZASTIGA, C. LLASAT. (2012). Seasonal absolute acoustic intensity, atmospheric forcing and currents in a tropical coral reef system. *Estuarine, Coastal and Shelf Science*.100: 102-112.

-HERNANDEZ-BECERRIL, D.U., A. AQUINO-CRUZ, D.A. SALAS-de-LEON, M. SIGNORET-POILLON, **M. A. MONREAL-GOMEZ**. (2012) Studies on picophytoplankton in the southern Gulf of Mexico: pigment analysis and potential importance of the picoeukaryote Prasinophyte *Micromonas pusilla*. *Marine Biology Research*. 8: 331-340.

-SALAS-de-LEON, D.A., N. CARBAJAL PEREZ, **M.A. MONREAL-GOMEZ**, A. GIL-ZURITA. (2011). Vorticity and mixing induced by the barotropic M2 tidal current and zooplankton biomass. *Journal of Sea Research*. 66: 143-153.

- ALDECO, J., **M.A. MONREAL-GOMEZ**, M. SIGNORET-POILLON, D.A. SALAS-de-LEON, D.U. HERNANDEZ-BECERRIL. (2009). Occurrence of a subsurface anticyclonic eddy, front, and *Trichodesmium* spp. over the Campeche Canyon Region, Gulf of Mexico. *Ciencias Marinas*. 35(4): 333-344.
- SALAS-de-LEON, D.A., **M.A. MONREAL-GOMEZ**, E. VAN-DE-VEN, S. WEILAND, D. SALAS-MONREAL (2009). Reduced order ocean model using proper orthogonal decomposition. *Revista Mexicana de Física*. 55 (3):185-191.
- EXPOSITO-DIAZ, G., D.A. SALAS-de-LEON, **M.A. MONREAL-GOMEZ**, D. SALAS-MONREAL, F. VAZQUEZ-GUTIERREZ. (2009). Inertial currents in the Southern Gulf of Mexico. *Ciencias Marinas*. 35(3):287-296.
- SALAS-MONREAL, D., D. A. SALAS DE LEON, **M. A. MONREAL-GOMEZ**, M. L. RIVERON-ENZASTIGA. (2009). Current rectification in a tropical coral reef system. *Coral Reefs*. DOI 10.1007/s00338-009-0521-9
- CRUZ-GOMEZ, R.C., **M.A. MONREAL-GOMEZ**, S.N. BULGAKOV (2008). Efectos de los vórtices en sistemas acuáticos y su relación con la Química, Biología y Geología. *Interciencia*. 33(10): 741-746.
- HERNANDEZ-BECERRIL, D.U., J.A. GARCIA-RESENDIZ, D.A. SALAS DE LEON, **M.A., MONREAL-GOMEZ**, M. SIGNORET-POILLON, J. ALDECO-RAMIREZ (2008). Nanoplankton fraction in the phytoplankton structure in the southern Gulf of Mexico (April 2000). *Ciencias Marinas*. 34(1):77-90.
- SALAS DE LEON, D. A., **M. A. MONREAL-GOMEZ**, M.A. DIAZ-FLORES, D. SALAS-MONREAL, H. VELASCO-MENDOZA, M. L. RIVERON-ENZASTIGA, G. ORTIZ-ZAMORA (2008). Role of near-bottom currents in the distribution of sediments within the southern Bay of Campeche, Gulf of Mexico. *Journal of Coastal Research*. 24(6): 1487-1494.
- MACHAIN CASTILLO, M. L., **M. A. MONREAL-GOMEZ**, E. ARELLANO-TORRES, M. MERINO-IBARRA, G. GONZALEZ-CHAVEZ. (2008). Recent planktonic foraminiferal distribution patterns and their relation to hydrographic conditions of the Gulf of Tehuantepec, Mexican Pacific. *Marine Micropaleontology*, 66: 103-119.
- SALAS de LEON D. A. **M.A. MONREAL-GÓMEZ**, D. SALAS MONREAL, G. EXPOSITO-DIAZ, M.L. RIVERON-ENZASTIGA and F. VAZQUEZ-GUTIERREZ. 2007. Tidal Current Components in the Southern Bay of Campeche, Gulf of Mexico. *Geofísica Internacional*, 46(2): 141-147.
- SANAY-GONZÁLEZ, R., **M.A. MONREAL-GÓMEZ**, D.A. SALAS-de-LEÓN. 2006. Simulación de la circulación en el sistema lagunar Chacahua-Pastoría, México. *Ciencia y Mar*, 10(29): 3-16
- SIGNORET, M., **M. A. MONREAL-GOMEZ**, J. ALDECO, D. A. SALAS-de-LEON. 2006. Hydrography, Oxygen Saturation, Suspended Particulate Matter, and Chlorophyll-*a* Fluorescence in a Region under Freshwater Influence. *Estuarine, Coastal and Shelf Science*, 69:153-164.
- SALAS-de-LEON, D. A., **M. A. MONREAL-GOMEZ**, D. SALAS-MONREAL, M. L. RIVERON-ENZASTIGA, N. L. SÁNCHEZ-SANTILLAN. 2006. Inter-annual sea level variability in the southern Gulf of México (1966-1976). *Geophysical Research Letters*, 33L08610 doi:10.1029/2006GL025832.
- CUESTA-CASTILLO, L. B., M. L. MACHAIN-CASTILLO, **M. A. MONREAL-GOMEZ** y F. R. GIO-ARGAEZ. 2005. Los foraminíferos planctónicos de la Bahía de la Paz: Su abundancia y distribución en relación a la dinámica oceánica. *Revista de la Sociedad Mexicana de Historia Natural*. 2(1):65-77.
- SALAS de LEON, D. A., **M. A. MONREAL-GÓMEZ** y J. GALARZA-MACIAS. 2005. Estimación de la biomasa zooplanctónica en zonas costeras usando un perfilador acústico de alta frecuencia. *Ciencia y Mar*. 11(26):9-18.
- SALAS de LEÓN, D.A., **M. A. MONREAL-GÓMEZ**, M SIGNORET, J. ALDECO. 2004. Anticyclonic-cyclonic eddies and their impact on near-surface chlorophyll stocks and oxygen

supersaturation over the Campeche Canyon, Gulf of Mexico. *J. Geophys. Res.* 109 (C05012), doi 10.1029/2002JC001614.

-SALAS DE LEON, D.A. y **M.A. MONREAL GÓMEZ**. 2003. Simulation of the barotropic circulation in the Western Mediterranean Sea. *Revista Geofísica*. 58:135-151

-CHIAPA-CARRARA, X, L. E. SANVICENTE-AÑORVE, **M. A. MONREAL-GÓMEZ**, D.A. SALAS DE LEON. 2003. Ichthyoplankton distribution as an indicator of hydrodynamic conditions of a Lagoon System in the Mexican Caribbean. *J. Plankton Res.* 25(7):687-696.

-SALAS de LEÓN, D. A., N. CARBAJAL-PÉREZ, **M. A. MONREAL-GÓMEZ**, G. BARRIENTOS-MacGREGOR 2003. Residual circulation and tidal stress in the Gulf of California. *J. Geophys. Res.* 108(C10, 3317): doi :10.1029/2002JC001621.

-MOLINA-CRUZ, A., L. PEREZ-CRUZ, L. y **M.A. MONREAL-GÓMEZ**. 2002. Laminated sediments in the Bay of La Paz, Gulf of California: a depositional cycle regulated by pluvial flux. *Sedimentology* **49**, 1401-1410.

-ORTIZ-ZAMORA G., M.A. HUERTA-DIAZ, D.A. SALAS de LEON y **M.A. MONREAL-GOMEZ** 2002. Degrees of pyritization in the Gulf of México in sediments influenced by the Coatzacoalcos and the Grijalva- Usumacinta rivers. *Ciencias Marinas*, **28**:(4), 369-379.

-**MONREAL-GOMEZ, M.A.**, A. MOLINA-CRUZ y D.A. SALAS-de-LEON, 2001 Water masses and cyclonic circulation in Bay of La Paz, Gulf of California, during June 1998. *J. Mar. Systems*. **30**:(3-4), 305-315.

-FUENTES-YACO C., D. A. SALAS de LEON, **M.A. MONREAL GOMEZ** and F. VERA HERRERA. 2001. Environmental forcing in a tropical estuarine ecosystem: The Palizada River in the southern Gulf of México. *Mar. Freshwater Res* **52**, 735-744

-FLORES COTO, C., F. FLORES-HERNANDEZ, F. ZAVALA-GARCIA, V. ARENAS-FUENTES, **M.A. MONREAL-GOMEZ** y D.A. SALAS de LEON. 2000. Oceanic and neritic ichthyoplankton at the edge of the continental shelf in the southern Gulf of Mexico. *Gulf and Caribbean Res.* **12**: 31-35.

-**MONREAL GOMEZ, M.A.**, D.A. SALAS de LEON y J. ALDECO RAMÍREZ 1999 Las surgencias costeras de América. *Revista Geofísica*. 51.

-ROSALES HOZ, L., A. CARRANZA-EDWARDS, C. MENDEZ-JAIME y **M.A. MONREAL-GOMEZ**. 1999. Metals in shelf sediments and their association with continental discharges in a tropical zone. *Mar. Freshwater Res.* 50(3):189-196.

-SALAS DE LEON, D.A., **M.A. MONREAL GOMEZ**, L. SANVICENTE AÑORVE y C. FLORES COTO: 1998. Long term currents influence on the zooplanktonic organisms distribution in the Bay of Campeche, Mex. *Oceanologica Acta*. 21(1): 87-93.

- CHIAPPA-CARRARA, X., L. SANVICENTE-AÑORVE, **A, MONREAL-GOMEZ**, y D. SALAS de LEON, 1997. Composición, estructura y variaciones estacionales del zooplancton en la Bahía de Kaneohe, Hawai. *Revista Hidrobiológica*. 7: 41-50.

-FERNANDEZ BARAJAS, M. E., **M.A. MONREAL GOMEZ** y A. MOLINA CRUZ. 1994. Thermohaline structure and geostrophic flow in the Gulf of California, during 1992. *Ciencias Marinas*, 20(2): 267-286.

-CARRANZA EDWARDS, A., L. ROSALES HOZ y **M.A. MONREAL GOMEZ**. 1993. Suspended sediments in the southeastern Gulf of Mexico. *Mar. Geol.*, 112: 257-269.

-SALAS DE LEON, D.A., **M.A. MONREAL GOMEZ** y J. ALDECO RAMIREZ. 1992. Períodos característicos en las oscilaciones de parámetros meteorológicos en Cayo Arcas, México. *Atmósfera*. 5, 193-205.

-**MONREAL GOMEZ, M.A.**, D.A. SALAS DE LEON, A.R. PADILLA PILOTZE y M.A. ALATORRE MENDIETA. 1992. Hidrography and estimation of density currents in the southern part of the Bay of Campeche, México. *Ciencias Marinas*, 18(4): 115-133.

- SALAS de LEON, D.A., **M.A. MONREAL GOMEZ** y G. COLUNGA ENRIQUEZ. 1992. Hidrografía y circulación geostrófica en el sur de la Bahía de Campeche. *Geofísica Internacional*. 31(3): 315-323.
- ADEM, J., V.M. MENDOZA, E.E. VILLANUEVA URRUTIA and **M.A. MONREAL GOMEZ**. 1991. On the simulation of the sea surface temperature in the Gulf of Mexico using a thermodynamic model. *Atmósfera*. 4(2): 87-99.
- MONREAL GOMEZ, M.A.** y D.A. SALAS de LEON. 1990. Modelo unidimensional de corrientes en Bahía San Quintín, B. C. México. *Geofísica Internacional*. 29(4): 249-257.
- PADILLA PILOTZE, A.R., D.A. SALAS de LEON y **M.A MONREAL GOMEZ**. 1990. Evidence of a cyclonic eddy in the Bay of Campeche. *Ciencias Marinas*. 16(3):1-14.
- MONREAL GOMEZ, M.A.** y D.A. SALAS de LEON. 1990. Simulación de la circulación en la Bahía de Campeche. *Geofísica Internacional*. 29(2): 101-111.
- SALAS de LEON, D. A. and **M. A. MONREAL GOMEZ**. 1986. The role of the Loop Current in the Gulf of Mexico fronts. En: *Marine Interfaces Ecohydrodynamics*. J.C.J. Nihoul Ed. Elsevier, 295-300 pp. Bélgica – Holanda.